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High Performance Structured
Cabling Products and Solutions

# 2012|13

## PRODUCT CATALOG

**ORTRONICS**®

# OptiMo® Fiber Optic Solutions



Ideal for data center/SAN or enterprise LAN applications, OptiMo fiber optic solutions support common, convenient approaches to fiber optic cabling. Momentum® series modular optical cassettes provide a system that is simple to design, quick to install, highly reliable and error-proof. For a conventional field-installation as well as factory-terminated pigtails for a splicing approach, we offer no-epoxy/no-polish and quick-cure anaerobic field-installable connectors. Also, for Secure Keyed LC fiber products, contact Ortronics®. For all your installations, OptiMo fiber solutions guarantee quality and performance.
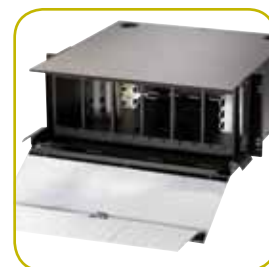
## Enclosures

## Cassettes

## Adapter Panels

## Patch Cords

## Field-Installable Connectors

## Fiber Optic Workstation

## FEATURED PRODUCTS



FC Series Rack Mount Cabinets

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Ortronics is a solution developer partner within the Cisco Developer Network

NEW

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OptiMo® High
Density Rack
Mount Fiber
Cabinets

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Pre-loaded
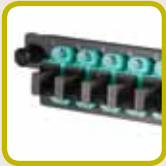Rack Mount
Fiber Cabinets

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# ORTRONICS®

## OPTIMO® FIBER OPTIC SOLUTIONS



Ortronics® offers innovative fiber optic solutions to meet all your needs with greater density, simpler installation, easier administration and higher performance.

The Ortronics range of rack mount fiber enclosures offers a comprehensive selection of products ideally suited to both large and small fiber installations. All fiber cabinets and related hardware are compatible with Mighty Mo® advanced cable management systems, so one system meets all cabling needs.

**Choose the appropriate pre-terminated cassettes and adapter panels required for either the High Density system or for the standard density solution from the table below.**

| | ENCLOSURE | TYPE | CAPACITY | CASSETTE | ADAPTER PANEL |
|---|---|---|---|---|---|
| **HIGH DENSITY** | OR-FC01U-M | Patch & Splice | High Density | OR-M4 Series | OR-HDFP Series |
| | OR-FC02U-M | Patch & Splice | High Density | OR-M4 Series | OR-HDFP Series |
| | OR-FC03U-M | Patch & Splice | High Density | OR-M4 Series | OR-HDFP Series |
| | OR-FC04U-M | Patch & Splice | High Density | OR-M4 Series | OR-HDFP Series |
| | OR-FC01U-C | Patch & Splice | Standard Density | OR-M2 Series | OR-OFP Series |
| | OR-FC02U-C | Patch & Splice | Standard Density | OR-M2 Series | OR-OFP Series |
| | OR-FC03U-C | Patch & Splice | Standard Density | OR-M2 Series | OR-OFP Series |
| | OR-FC04U-C | Patch & Splice | Standard Density | OR-M2 Series | OR-OFP Series |
| | OR-FC01U-P | Patch | Standard Density | OR-M2 Series | OR-OFP Series |
| | OR-FC02U-P | Patch | Standard Density | OR-M2 Series | OR-OFP Series |
| | OR-FC03U-P | Patch | Standard Density | OR-M2 Series | OR-OFP Series |
| | OR-FC04U-P | Patch | Standard Density | OR-M2 Series | OR-OFP Series |
| | OR-FC01U-S | Splice | Standard Density | N/A | N/A |
| | OR-FC02U-S | Splice | Standard Density | N/A | N/A |
| | OR-FC03U-S | Splice | Standard Density | N/A | N/A |
| | OR-FC04U-S | Splice | Standard Density | N/A | N/A |

# ENCLOSURES
## Rack Mount Fiber Cabinets High Density



**NEW**

In today's data centers and SAN environments, space is often at a premium, making density more critical than ever. OptiMo® High Density (HD) solutions offer the same advanced performance and reliability that you've come to expect from Ortronics® standard density OptiMo products in a footprint designed for space-constrained installations. Using a comprehensive OptiMo HD solution of high density rack-mount fiber cabinets with either adapter panels or pre-terminated cassettes provides a complete fiber cross connect patching solution for applications where maximum density is required.

OR-FC01U-M



OR-FC02U-M



OR-FC03U-M



OR-FC04U-M



### OptiMo HD FC Series Rack-Mount Fiber Cabinets

OptiMo high density rack-mount fiber enclosures come complete with internal fiber management hardware and bend limiting clips for superior fiber management. These enclosures are compatible with all Ortronics Mighty Mo® equipment racks and cabinets. They are only able to accept M4 cassettes and HDFP adapter panels. They are optimally designed for 48 fiber splice trays.

| PART NO. | DESCRIPTION |
|---|---|
| OR-FC01U-M | ■ High density 1U rack mount FC series fiber enclosure, black<br>■ Holds 4 high density HDFP series adapter panels or M4 high density cassettes<br>■ Holds two 48-F splice trays*<br>■ Front locking door<br>■ Fiber tray slides to the front or the rear<br>■ LC capacity: 96 fibers<br>■ 1.75″ high, 1 rack unit, 15.65 lbs/7.10kg<br>■ Includes internal management clips |
| OR-FC02U-M | ■ High density 2U rack mount FC series fiber enclosure, black<br>■ Holds 8 high density HDFP series adapter panels or M4 high density cassettes<br>■ Holds four 48-F splice trays*<br>■ Front locking door<br>■ Fiber tray slides to the front or the rear<br>■ LC capacity: 192 fibers<br>■ 3.5″ high, 2 rack units, 16.75 lbs/7.62kg<br>■ Includes bend limiting clips and internal management clips |
| OR-FC03U-M | ■ High density 3U rack mount FC series fiber enclosure, black<br>■ Holds 12 high density HDFP series adapter panels or M4 high density cassettes<br>■ Holds seven 48-F splice trays*<br>■ Front locking door<br>■ Fiber tray slides to the front or the rear<br>■ LC capacity: 288 fibers<br>■ 5.25″ high, 3 rack units, 18.50 lbs/8.40kg<br>■ Includes bend limiting clips and internal management clips |
| OR-FC04U-M | ■ High density 4U rack mount FC series fiber enclosure, black<br>■ Holds 16 high density HDFP series adapter panels or M4 high density cassettes<br>■ Holds ten 48-F splice trays*<br>■ Front locking door<br>■ Fiber tray slides to the front or the rear<br>■ LC capacity: 384 fibers<br>■ 7″ high, 4 rack units, 20.65 lbs/9.36kg<br>■ Includes bend limiting clips and internal management clips |

* NOTE: Splice tray capacity exceeds the fiber port capacity of the enclosures.

# ORTRONICS®

## ENCLOSURES
### Rack Mount Fiber Cabinets Patching

OR-FC01U-P

OR-FC02U-P

OR-FC03U-P

OR-FC04U-P

### OptiMo® FC Series Fiber Patch Cabinets

Each fiber cabinet offers complete flexibility in terms of cable entry and exit, access to terminations from front and rear, and accommodates the unique needs of optical fiber bend radius limitation through enhanced patch cord management devices and novel internal fiber management components. These enclosures are only compatible with M2 cassettes and OFP adapter panels.

| PART NO. | DESCRIPTION |
|---|---|
| OR-FC01U-P | ■ Holds three adapter panels or Momentum® cassettes<br>■ Front locking door<br>■ Fiber tray slides forward and backward<br>■ ST, SC, FC capacity: 36 fibers<br>■ MT-RJ, LC: 36 fibers<br>■ LC quad: 72 fibers<br>■ 1.75″H, 1 rack unit, 15.65 lbs/7.10 kg<br>■ Includes internal management clips |
| OR-FC02U-P | ■ Holds six adapter panels or Momentum cassettes<br>■ Front locking door<br>■ Fiber tray slides forward and backward<br>■ ST, SC, FC capacity: 72 fibers<br>■ MT-RJ, LC: 72 fibers<br>■ LC quad: 144 fibers<br>■ 3.5″H, 2 rack units, 16.75 lbs/7.62 kg<br>■ Includes bend limiting clips and internal management clips |
| OR-FC03U-P | ■ Holds nine adapter panels or Momentum cassettes<br>■ Front locking door<br>■ Fiber tray slides forward and backward<br>■ ST, SC, FC capacity: 108 fibers<br>■ MT-RJ, LC: 108 fibers<br>■ LC quad: 216 fibers<br>■ 5.25″H, 3 rack units, 18.50 lbs/8.40 kg<br>■ Includes bend limiting clips and internal management clips |
| OR-FC04U-P | ■ Holds twelve adapter panels or Momentum cassettes<br>■ Front locking door<br>■ Fiber tray slides forward and backward<br>■ ST, SC, FC capacity: 144 fibers<br>■ MT-RJ, LC: 144 fibers<br>■ LC quad: 288 fibers<br>■ 7″H, 4 rack units, 20.65 lbs/9.36 kg<br>■ Includes bend limiting clips and internal management clips |

NOTE: Splice trays sold separately.

# ENCLOSURES
## Rack Mount Fiber Cabinets Patching & Splicing

OR-FC01U-C back/front view

OR-FC02U-C back/front view

OR-FC03U-C back/front view

OR-FC04U-C back/front view

### OptiMo® FC Series Fiber Patch and Splice Cabinets

Each fiber cabinet offers complete flexibility allowing the ability to patch and splice in the same cabinet. Each cabinet has optimized cable entry and exit points, allows access to terminations from front and rear, and accommodates the unique needs of optical fiber bend radius limitation through enhanced patch cord management devices and novel internal fiber management components. These enclosures are only compatible with M2 cassettes and OFP adapter panels.

| PART NO. | DESCRIPTION |
|---|---|
| OR-FC01U-C | ■ Holds two (12 fiber) splice trays<br>■ Holds three adapter panels<br>■ Front locking door<br>■ ST, SC, FC capacity: 36 fibers<br>■ MT-RJ, LC: 36 fibers<br>■ LC quad: 72 fibers<br>■ 1.75″H, 1 rack unit, 15.65 lbs/7.10 kg<br>■ Includes internal management clips |
| OR-FC02U-C | ■ Holds six (12 fiber) splice trays<br>■ Front locking door<br>■ Holds six adapter panels<br>■ ST, SC, FC capacity: 72 fibers<br>■ MT-RJ, LC: 72 fibers<br>■ LC quad: 144 fibers<br>■ 3.5″H, 2 rack units, 16.75 lbs/7.62 kg<br>■ Includes bend limiting clips and internal management clips |
| OR-FC03U-C | ■ Holds 11 (12 fiber) splice trays<br>■ Front locking door<br>■ Holds nine adapter panels<br>■ ST, SC, FC capacity: 108 fibers<br>■ MT-RJ, LC: 108 fibers<br>■ LC quad: 216 fibers<br>■ 5.25″H, 3 rack units, 18.50 lbs/8.40 kg<br>■ Includes bend limiting clips internal management clips |
| OR-FC04U-C | ■ Holds 16 (12 fiber) splice trays<br>■ Front locking door<br>■ Holds 12 adapter panels<br>■ ST, SC, FC capacity: 144 fibers<br>■ MT-RJ, LC: 144 fibers<br>■ LC quad: 288 fibers<br>■ 7″H, 4 rack units, 20.65 lbs/9.36 kg<br>■ Includes bend limiting clips and internal management clips |

* NOTE: Splice tray capacity exceeds the fiber port capacity of the enclosures.

# ENCLOSURES
## EMEA Rack Mount Fiber Cabinets Patching

OR-61500569-00
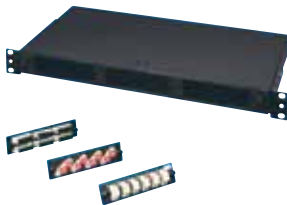
### Standard Low Profile Rack Mount Patch Fiber Cabinets

The Ortronics® range of 615 series mount fibre enclosure is ideally suited to both large and small fibre installations. Designed for use with our FibreMo fibre optic cable management rack system and our equipment cabinets, our fibre cabinet offers complete flexibility in terms of cable entry and exit; access to terminations from front, rear, and top; and accommodation for the unique needs of optical fibre bend radius limitation through enhanced patch cord management devices and novel internal fibre management components.

| PART NO. | DESCRIPTION |
|---|---|
| OR-61500569-00 | ■ Holds three adapter panels<br>■ Slide-design drawer<br>■ High density ST, SC: 36 fibres<br>■ 1 rack unit<br>■ 4.5 kg<br>■ Depth: 220 mm |

# ENCLOSURES
## Rack Mount Fiber Cabinets Splicing

OR-FC01U-S

OR-FC02U-S

OR-FC03U-S

OR-FC04U-S

### Fiber Splice Cabinets

Ortronics splice cabinets provide interconnect or cross connect facilities between horizontal and backbone inside plant (ISP) or outside plant (OSP) cables. Each fiber cabinet offers high density splicing with internal fiber management accessories, has optimized cable entry and exit points, allows access to terminations from front and rear, and accommodates the unique needs of optical fiber bend radius limitation with novel internal fiber management components. Includes internal fiber management clips.

| PART NO. | DESCRIPTION |
|---|---|
| OR-FC01U-S | ■ Holds four (12 fiber) splice trays<br>■ Front locking door<br>■ 1.75″H, 1 rack unit, 15.65 lbs/7.10 kg |
| OR-FC02U-S | ■ Holds twelve (12 fiber) splice trays<br>■ Front locking door<br>■ 3.5″H, 2 rack units, 16.75 lbs/7.62 kg |
| OR-FC03U-S | ■ Holds twenty-two (12 fiber) splice trays<br>■ Front locking door<br>■ 5.25″H, 3 rack units, 18.50 lbs/8.40 kg |
| OR-FC04U-S | ■ Holds thirty-two (12 fiber) splice trays<br>■ Front locking door<br>■ 7″H, 4 rack units, 20.65 lbs/9.36 kg |

NOTE: Splice trays sold separately.

# ENCLOSURES
## Rack Mount Fiber Cabinet Accessories

OR-70700107-00

### D-Ring Cable Management Straps

Ortronics® D-ring cable management straps include a D-ring for easy adjustments. The straps have a hook and loop type closure to secure and administer cables without damage. Package of 12.

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-70700107-00 | Black, .75″ W x 12″ L |

NOTE: For additional styles and colors, see page 125.

OR-FCBL-002

### Fiber Cabinet Bend Limiting Clips

Helps maintain minimum bend radius and prevent micro bends on sharp edges of front and rear access points.

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-FCBL-002 | Pack of 2 |

OR-FCTL-001

### Tray Lock Kit

The tray lock kit can be easily installed into any FC Series cabinet tray to prevent it from sliding forward or backwards.

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-FCTL-001 | Tray lock kit |

OR-FCBR-001

OR-FCBR-002

OR-FCBR-003

### Cable Fastening Bracket

Provides robust backbone cable retention for FC cabinets when installing from above or below cabinet. Accommodates cable of all diameters; fastens using flexible and strong hook/loop straps.

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-FCBR-001 | For use with 1 rack unit cabinet, top position |
| OR-FCBR-002 | For use with 2, 3, and 4 rack unit cabinet, top position |
| OR-FCBR-003 | For use with 2, 3, and 4 rack unit cabinet, bottom position |

NOTE: Two hook and loop straps included.

## ENCLOSURES
### Rack Mount Fiber Cabinet Accessories OptiMo® FC Series

OR-70800158

**Internal Fiber Management Clips**

| PART NO. | DESCRIPTION |
|---|---|
| OR-70800158 | Kit of eight clips |

Fiber management clips installed

OR-FST2-F012

**Splice Tray for Fusion Splices**

Transparent stackable design with hinged cover and mylar insert. Ideal for VFL verification.

| PART NO. | DESCRIPTION |
|---|---|
| OR-FST2-F012 | Fusion splice tray for 12 splices |
| OR-FST3-F048 | Fusion splice tray for 48 splices* |

* OR-FST3-F048 requires the use of OR-20500337 splice sleeves.

OR-FST3-F048

OR-20500043
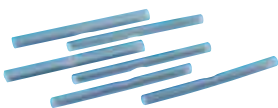
**Splice Protection**

| PART NO. | DESCRIPTION |
|---|---|
| OR-20500043 | Heat shrink sleeves, 40 mm, package of 50, 3.0 mm |
| OR-20500337 | Heat shrink sleeves, 40 mm, package of 50, 2.5 mm |

OR-61500858

**OptiMo Breakout Kits**

To be used with loose tube cables.

| PART NO. | DESCRIPTION |
|---|---|
| OR-61500858 | Breakout kit, 12 fiber |
| OR-61500868 | Breakout kit, 6 fiber |

# ENCLOSURES
## Rack Mount Fiber Cabinet Accessories OptiMo® FC Series

OR-ECDL001

**Enclosure Door
Key Lock Kit**

| PART NO. | DESCRIPTION |
|---|---|
| OR-ECDL001 | Enclosure door key lock kit |

NOTE: Also compatible with EC series.

OR-ECDL002

**Enclosure
Thumblatch Kit**

| PART NO. | DESCRIPTION |
|---|---|
| OR-ECDL002 | Enclosure thumblatch kit |

NOTE: Also compatible with EC series.

OR-FCWK-01

**Enclosure Cable
Management Kit**

| PART NO. | DESCRIPTION |
|---|---|
| OR-FCWK-01 | Enclosure cable management kit<br>Pack of 2 bend limiting clips plus edgeguards |

# ORTRONICS®

The Ortronics® range of pre-loaded rack mount fiber enclosures (625 Series) provides a comprehensive range ideally suited to both large and small installations. These enclosures are offered in 1U and 2U as a standard product. 625 Series fiber cabinet products are available with LC and SC adapters for single-mode or multimode applications.

- ■ Pre-loaded with fiber adapters for simple, quick installations
- ■ Slide-out drawer provides easy access for quick, reliable fiber termination and fiber management
- ■ Bend limiters included to support minimum bend radius requirements ensuring low loss transmission*
- ■ Universal mounting (19˝ or 23˝) for most rack types with standard EIA hole pattern
- ■ Internal fiber management ring to provide proper bend radius and slack storage of excess fiber
- ■ Termination access from front, top, and rear for internal fiber termination and management

*2U pre-loaded cabinets only.

## Multimode, Face Recessed, 1 Rack Unit

OR-625MMC-12PF1RB     OR-625MMC-24PF1RB

| PART NO. | DESCRIPTION |
|---|---|
| OR-625MMC-24PL1RB | 12-LC duplex (24 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-625MMC-12PD1RB | 6-SC duplex (12 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-625MMC-12PF1RB | 12-SC simplex (12 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-625MMC-48PL1RB | 24-LC duplex (48 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-625MMC-24PD1RB | 12-SC duplex (24 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-625MMC-24PF1RB | 24-SC simplex (24 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |

## Multimode, 2 Rack Units

OR-625MMC-96PL1B     OR-625MMC-48PD1B

| PART NO. | DESCRIPTION |
|---|---|
| OR-625MMC-96PL1B | 48-LC duplex (96 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-625MMC-48PD1B | 24-SC duplex (48 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |

## Single-mode, Face Recessed, 1 Rack Unit

OR-625MMC-12PE1RB     OR-625MMC-24PE1RB

| PART NO. | DESCRIPTION |
|---|---|
| OR-625MMC-24PP1RB | 12-LC duplex (24 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-625MMC-12PE1RB | 6-SC duplex (12 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-625MMC-48PP1RB | 24-LC duplex (48 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-625MMC-24PE1RB | 12-SC duplex (24 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-625MMC-24PG1RB | 24-SC simplex (24 fibers) single-mode, blue adapters, ceramic alignment sleeves |

## Single-mode, 2 Rack Units

OR-625MMC-48PG1B     OR-625MMC-96PP1B

| PART NO. | DESCRIPTION |
|---|---|
| OR-625MMC-96PP1B | 48-LC duplex (96 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-625MMC-48PE1B | 24-SC duplex (48 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-625MMC-48PG1B | 48-SC simplex (48 fibers) single-mode, blue adapters, ceramic alignment sleeves |

# ENCLOSURES
## OptiMo® Raised Floor Fiber Patch Panels
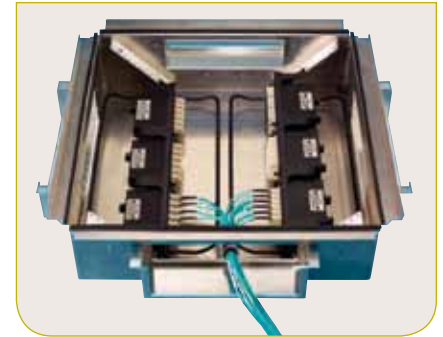


Ortronics® OptiMo raised floor patch panel allows data center managers and designers to take advantage of under-utilized installation space beneath the raised floor structure, providing greater flexibility in structured cabling design and maximizing usage of premium data center floor space.

Specifically designed to be installed in raised floor enclosures that are part of the cabling pathways, the OptiMo raised floor fiber patch panels address the special bend radius and depth requirements of fiber optic cabling systems.

| Features | Benefits |
|---|---|
| ■ Fiber patch panel for underfloor installation | ■ Allows data center manager to take advantage of under-utilized space beneath raised floor |
| ■ 19˝ wide, 1 unit or 2 unit high models available | ■ Provides the flexibility to suit any installation |
| ■ Designed for installation within 2´ x 2´ underfloor box with angled mounting rails | ■ Horizontal patch panel orientation |
| ■ Removable/reusable labeling cards | ■ Convenient and accurate cabling administration and record keeping that is easily removed to provide rear patching access |

**NEW**

OR-RFPHD01U

OR-RFPHD02U

### High Density Flush Mounting Rails

| PART NO. | DESCRIPTION |
|---|---|
| OR-RFPHD01U | ■ 1 rack unit<br>■ Holds four High Density adapter panels (HDFP Series) or four Momentum 4 cassettes<br>■ LC quad, 96 fibers |
| OR-RFPHD02U | ■ 2 rack units<br>■ Holds eight High Density adapter panels (HDFP Series) or eight Momentum 4 cassettes<br>■ LC quad, 192 fibers |

OR-RFP01U

OR-RFP02U

### Flush Mounting Rails

| PART NO. | DESCRIPTION |
|---|---|
| OR-RFP01U | ■ 1 rack unit<br>■ Holds three standard adapter panels (OFP Series) or three Momentum 2 cassettes<br>■ ST, SC, FC capacity: 36 fibers<br>■ MT-RJ, LC: 36 fibers<br>■ LC quad: 72 fibers |
| OR-RFP02U | ■ 2 rack units<br>■ Holds six standard adapter panels (OFP Series) or six Momentum 2 cassettes<br>■ ST, SC, FC capacity: 72 fibers<br>■ MT-RJ, LC: 72 fibers<br>■ LC quad: 144 fibers |

## ENCLOSURES
### OptiMo® Raised Floor Fiber Patch Panel Rails

**NEW**

### High Density Angled Mounting Rails 45°

OR-RFPAHD01U    OR-RFPAHD02U

| PART NO. | DESCRIPTION |
|---|---|
| OR-RFPAHD01U | ■ 1 rack unit<br>■ Holds four High Density adapter panels (HDFP Series)<br>■ Holds four Momentum 4 cassettes<br>■ LC quad, 96 fibers |
| OR-RFPAHD02U | ■ 2 rack units<br>■ Holds eight High Density adapter panels (HDFP Series)<br>■ Holds eight Momentum 4 cassettes<br>■ LC quad: 192 fibers |

### Angled Mounting Rails 45°

OR-RFPA01U    OR-RFPA02U

| PART NO. | DESCRIPTION |
|---|---|
| OR-RFPA01U | ■ 1 rack unit<br>■ Holds three standard adapter panels (OFP Series)<br>■ Holds three Momentum 2 cassettes<br>■ ST, SC, FC: 18 fibers<br>■ MT-RJ, LC: 36 fibers<br>■ High density ST, SC: 36 fibers<br>■ LC quad: 72 fibers |
| OR-RFPA02U | ■ 2 rack units<br>■ Holds six standard adapter panels (OFP Series)<br>■ Holds six Momentum 2 cassettes<br>■ ST, SC, FC: 36 fibers<br>■ MT-RJ, LC: 72 fibers<br>■ High density ST, SC: 72 fibers<br>■ LC quad: 144 fibers |

# ORTRONICS®

## ENCLOSURES
### Surface Mount Cabinets



Ortronics® 615 Series surface mount fiber cabinets secure, protect, and organize up to 384 single-mode or multimode optical terminations.

- Standard OFP Series adapter panels snap in for easy installation, removal, and expansion
- Surface/wall mountable is ideal for space limited installations
- Top/bottom cable entry simplifies installations, moves, adds, and changes
- Internal cable management included—facilitates organization and clean installations
- Open designs with available latch are economical and easily accessible

NOTE: Contact Ortronics sales for cassette compatibility.

### 615 Series Surface Mount Fiber Cabinets

OR-615SMFC-12P          OR-615SMFC-LX-12P

OR-615SMFC-24P          OR-615SMFC-24P/S

OR-615SMFC-48P          OR-615SMFC-48P/S

OR-615SMFC-96P

| PART NO. | DESCRIPTION |
|---|---|
| OR-615SMFC-12P | ■ Patch cabinet: Holds two adapter panels<br>■ ST, SC, FC: 12 fibers<br>■ ST Duplex, SC: 24 fibers<br>■ MT-RJ, LC: 24 fibers<br>■ LC quad: 48 fibers<br>■ Open access, 10″ x 9″ x 3.5″, latching door, 5.5 lbs |
| OR-615SMFC-LX-12P | ■ Patch cabinet: Holds two adapter panels<br>■ ST, SC, FC: 12 fibers<br>■ ST Duplex, SC: 24 fibers<br>■ MT-RJ, LC: 24 fibers<br>■ LC quad: 48 fibers<br>■ 10″ x 9″ x 3.5″, locking door, 6.0 lbs |
| OR-615SMFC-24P | ■ Patch cabinet: Holds four adapter panels<br>■ ST, SC, FC: 24 fibers<br>■ ST Duplex, SC: 48 fibers<br>■ MT-RJ, LC: 48 fibers<br>■ LC quad: 96 fibers<br>■ 12″ x 12″ x 3.5″, 9.0 lbs |
| OR-615SMFC-24P/S | ■ Patch/splice cabinet: Holds four adapter panels<br>■ ST, SC, FC: 24 fibers<br>■ ST Duplex, SC: 48 fibers<br>■ MT-RJ, LC: 48 fibers<br>■ LC quad: 96 fibers<br>■ Holds four, 12-fiber, 7″ splice trays (holds up to 48 splices)<br>■ 12″ x 16″ x 3.5″, 9.0 lbs |
| OR-615SMFC-48P | ■ Patch cabinet: Holds eight adapter panels<br>■ ST, SC, FC: 48 fibers<br>■ ST Duplex, SC: 96 fibers<br>■ MT-RJ, LC: 96 fibers<br>■ LC quad: 192 fibers<br>■ 22″ x 12″ x 3.5″, 15.0 lbs |
| OR-615SMFC-48P/S | ■ Patch/splice cabinet: Holds eight adapter panels, same chassis as OR-615SMFC-48P<br>■ Holds four 12-fiber splice trays, 7″ splice trays (up to 48 fibers)<br>■ 22″ x 12″ x 3.5″, 15.0 lbs |
| OR-615SMFC-96P | ■ Patch cabinet: Holds 16 adapter panels<br>■ ST, SC, FC: 96 fibers<br>■ ST Duplex, SC: 192 fibers<br>■ MT-RJ, LC: 192 fibers<br>■ LC quad: 384 fibers<br>■ 16.75″ x 13.5″ x 7″, 20 lbs |

# ENCLOSURES
## Surface Mount Cabinet Accessories

OR-20500043
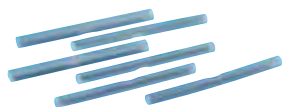
**Splice Protection**

| PART NO. | DESCRIPTION |
|---|---|
| OR-20500043 | Heat shrink sleeves, 40 mm, package of 50, 3.0 mm |

OR-62600002
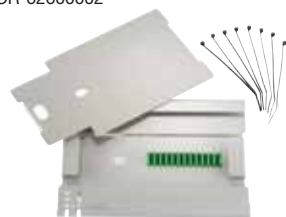
**7″ Splice Trays**

| PART NO. | DESCRIPTION |
|---|---|
| OR-62600002 | Mechanical, 12 fibers* |
| OR-62600003 | Fusion, 12 fibers* |

*For use with surface mount cabinet only.

OR-62600003

OR-61500858

**OptiMo® Breakout Kits**

To be used with loose tube cables.

| PART NO. | DESCRIPTION |
|---|---|
| OR-61500858 | Breakout kit, 12 fiber |
| OR-61500868 | Breakout kit, 6 fiber |

**ORTRONICS**®

# CASSETTES

Ideal for data centers and SANs, the Momentum® series is a modular, pre-terminated cabling system that integrates optical cassettes with advanced fiber cable in the backbone. It's simple to use, fast to install, and the connectors are factory terminated and tested. The cassettes are supported by a range of rack-mount and underfloor patch panels for convenient installation.

## It's the System That Counts

The performance of a fiber optic cabling system needs to be viewed from a system standpoint and not just as an assembly of individual components.

The optical loss performance of a modular cassette-based MTP*/MPO link is primarily affected by connector end-face polishing and connector end preparation at the factory. Therefore, it is essential that the MTP/MPO backbone cables and patch cords are pre-pared with a high-quality process that complements the cassette manufacturing process, otherwise, the expected end-to-end link insertion loss performance will not be realized.

**Simply put, to achieve improved performance you need high or premium cassettes with matching backbone and patch cables.**

* MTP is a registered trademark of US Conec.

# CASSETTES
## Momentum® Modular Pre-Terminated Systems

| Patch Cords | Momentum Pre-Terminated Cassette | MTP to MTP Backbone cable | Momentum Pre-Terminated Cassette | Patch Cords |
|---|---|---|---|---|
| **PREMIUM PERFORMANCE SYSTEM** | | | | |
| **Patch Cords/Pigtails** 0.15 dB max | **Cassettes** 0.50 dB max | **MTP-MTP Backbone Cables** 0.35 dB max | **Cassettes** 0.50 dB max | **Patch Cords/Pigtails** 0.15 dB max |
| P3 Series | M4LCQ24-50EA3A1 M2LCQ24-50E3A1 | 12F loose tube cable, MTP 0.35 dB Loss | M4LCQ24-50EA3A1 M2LCQ24-50E3A1 | P3 Series |
| **HIGH PERFORMANCE SYSTEM** | | | | |
| **Patch Cords/Pigtails** 0.15 dB max | **Cassettes** 0.75 dB max | **MTP-MTP Backbone Cables** 0.50 dB max | **Cassettes** 0.75 dB max | **Patch Cords/Pigtails** 0.15 dB max |
| P3 Series | M4LCQ24-50E M2LCQ24-50E | 12F loose tube cable, MTP 0.50 dB Loss | M4LCQ24-50E M2LCQ24-50E | P3 Series 0.15 dB Loss |
| **STANDARD PERFORMANCE SYSTEM** | | | | |
| **Patch Cords/Pigtails** | **Cassettes** 1.25 dB max | **MTP-MTP Backbone Cables** 0.75 dB max | **Cassettes** 1.25 dB max | **Patch Cords/Pigtails** |
| P1 Series 0.50 dB max MM 0.30 dB max SM | M4LCQ24-50E M2LCQ24-50E M2LCD12-50E M2SCD12-50E also available in single-mode and 62.5 | 12F-72F loose tube cable, MTP 0.50dB Loss | M4LCQ24-50E M2LCQ24-50E M2LCD12-50E M2SCD12-50E also available in single-mode and 62.5 | P1 Series 0.50 dB max MM 0.30 dB max SM |

# CASSETTES
## Momentum® 4 Modular Pre-Terminated Systems

**NEW**

OR-M4LCQ24-50EA3A1



OR-M4LCQ24-09



OR-M4LCQ24-62



### Momentum 4 Cassettes

Momentum 4 modular fiber optic pre-terminated cassettes combine the plug-and-play functionality of our standard cassette with the high density footprint accommodating 96 fibers in one rack unit.

The Momentum 4 High Density Cassette fully supports the latest networking standards through 10 Gb/s and beyond. It is available in three performance levels for Laser Optimized Multimode 50 micron fiber. Each cassette has a data label with insertion loss value for each port.

- Premium Performance cassette/ mated pair insertion loss: 0.50dB
- High Performance cassettes/ mated pair insertion loss: 0.75dB
- Standard Performance cassette/ mated pair insertion loss: 1.25dB
- 1.05dB total insertion loss for single-mode system
- Insertion loss value for each port printed on adhesive data label

| PART NO. | DESCRIPTION |
|---|---|
| OR-M4LCQ24-50EA3A1 | LC Quad, 24 fiber, 50-micron LOMF*, 2 MTP**(M), premium performance, single unit |
| OR-M4LCQ24-50E | LC Quad, 24 fiber, 50-micron LOMF*, 2 MTP(M), high performance, single unit |
| OR-M4LCQ24-09 | LC Quad, 24 fiber, single-mode, 2 MTP(M), high performance, single unit |
| OR-M4LCQ24-62 | LC Quad, 24 fiber, 62.5-micron multimode, 2 MTP(M), high performance, single unit |

* Effective modal bandwidth 4900 MHz-km @ 850nm.
** MTP is a registered trademark of US Conec.

# CASSETTES
## Momentum 2 Modular Pre-Terminated Systems

OR-M2LCQ24-50E



OR-M2LCD12-50E



OR-M2LCD12-09



### Momentum 2 Cassettes

Momentum 2 modular fiber optic pre-terminated cassettes provide the fastest method of structured cabling deployment: plug it in and you're ready to go. Factory-terminated/tested cassettes guarantee field performance.

Full support of today's most rigorous transmission technologies up through 10 Gb/s.

- 1.05 dB total insertion loss for single-mode
- Single unit footprint for space savings in patch panels and cabinets.
- Data label printed with insertion loss value for each port adhered to the cassette housing.

| PART NO. | DESCRIPTION |
|---|---|
| OR-M2LCQ24-50E3A1 | LC Quad, 24 fiber, 50-micron LOMF*, 2 MTP(M), premium performance, single unit |
| OR-M2LCQ24-50E | LC Quad, 24 fiber, 50-micron LOMF*, 2 MTP(M), high performance, single unit |
| OR-M2LCQ24-09 | LC Quad, 24 fiber, single-mode, 2 MTP(M), high performance, single unit |
| OR-M2LCD12-50E | LC Quad, 24 fiber, 62.5-micron multimode, 1 MTP(M), high performance, single unit |
| OR-M2LCD12-09 | LC Duplex, 12 fiber, single-mode, 1 MTP(M), high performance, single unit |
| OR-M2SCD12-50E | SC Duplex, 12 fiber, 50-micron LOMF*, 1 MTP(M), high performance, single unit |
| OR-M2SCD12-09 | SC Duplex, 12 fiber, single-mode, 1 MTP(M), high performance, single unit |

*Effective Modal Bandwidth: 4900 MHz-km @ 850nm.
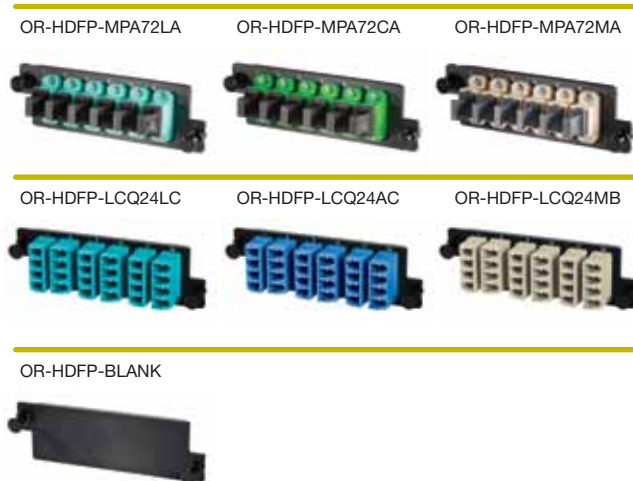NOTE: Other cassette fiber types are available. Contact Ortronics sales.

# ADAPTER PANELS

The Ortronics® OptiMo® OFP and HDFP series adapter panels are used with our popular FC Series modular fiber cabinets, offering great flexibility in structured cabling design. Front-removable adapter panels are available with LC, SC, ST, and MT-RJ adapters and feature options ideal for both single-mode and multimode applications. They are held securely in place with plunger/grommet fasteners.

Where applicable, the adapters used (LC, SC, and ST) contain application specific alignment sleeves to ensure optimal performance in conjunction with the economic constraints of network design.

For common multimode applications, phosphor-bronze (metal) alignment sleeves are used. With the increasing demands of high bandwidth multimode systems, like those containing laser-optimized multimode fiber, ceramic alignment sleeves are recommended. Finally, to ensure dependable transmission, ceramic sleeves are always used in single-mode applications.

**NEW**

## High Density Adapter Panels

OR-HDFP-MPA72LA  OR-HDFP-MPA72CA  OR-HDFP-MPA72MA

OR-HDFP-LCQ24LC  OR-HDFP-LCQ24AC  OR-HDFP-LCQ24MB

OR-HDFP-BLANK

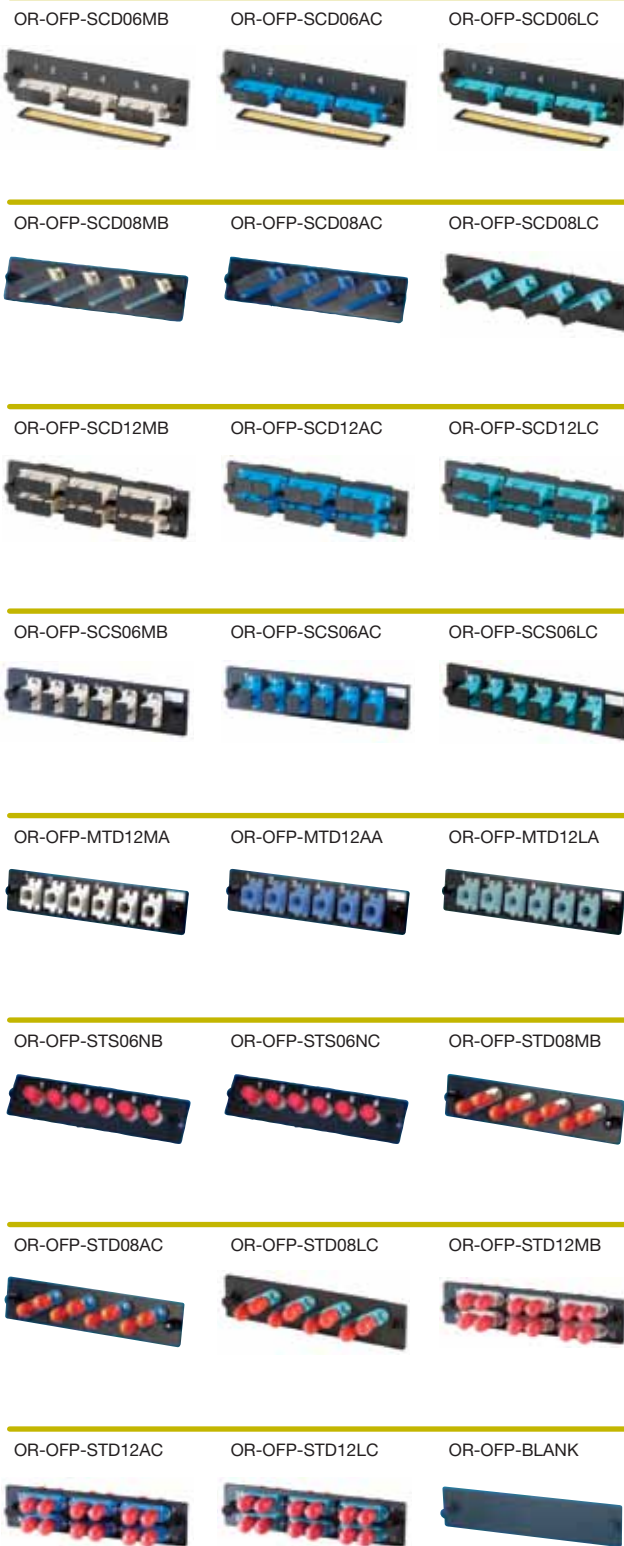| PART NO. | DESCRIPTION |
|---|---|
| OR-HDFP-MPA72LA | HD, 6-MPO adapter panel, feed-through, multimode, aqua adapters, Type A* |
| OR-HDFP-MPA72CA | HD, 6-MPO adapter panel, feed-through, single-mode, green adapters, Type A* |
| OR-HDFP-MPA72MA | HD, 6-MPO adapter panel, feed-through, multimode, beige adapters, Type A* |
| OR-HDFP-LCQ24LC | HD, 6-LC Quad (24 fiber) adapter panel, multi-mode, aqua adapters, ceramic alignment sleeves |
| OR-HDFP-LCQ24AC | HD, 6-LC Quad (24 fiber) adapter panel, single-mode, blue adapters, ceramic alignment sleeves |
| OR-HDFP-LCQ24MB | HD, 6-LC Quad (24 fiber) adapter panel, multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-HDFP-BLANK | HD, Blank Panel, black |

*Type A MPO adapters are Key Up/Key Down.

## Adapter Panels

OR-OFP-MPA96LA  OR-OFP-MPA96CA  OR-OFP-MPA96MA

OR-OFP-MPA72LA  OR-OFP-MPA72CA  OR-OFP-MPA72MA

OR-OFP-LCQ24LC  OR-OFP-LCQ24AC  OR-OFP-LCQ24MB

OR-OFP-LCD12LC  OR-OFP-LCD12AC  OR-OFP-LCD12MB

| PART NO. | DESCRIPTION |
|---|---|
| OR-OFP-MPA96LA | 8-MPO adapter panel, feed-through, multimode, aqua adapters, Type A* |
| OR-OFP-MPA96CA | 8-MPO adapter panel, feed-through, single-mode, green adapters, Type A* |
| OR-OFP-MPA96MA | 8-MPO adapter panel, feed-through, multimode, beige adapters, Type A* |
| OR-OFP-MPA72LA | 6-MPO adapter panel, feed-through, multimode, aqua adapters, Type A* |
| OR-OFP-MPA72CA | 6-MPO adapter panel, feed-through, single-mode, green adapters, Type A* |
| OR-OFP-MPA72MA | 6-MPO adapter panel, feed-through, multimode, beige adapters, Type A* |
| OR-OFP-LCQ24LC | 6-LC Quad (24 fiber) adapter panel, multimode, aqua adapters, ceramic alignment sleeves |
| OR-OFP-LCQ24AC | 6-LC Quad (24 fiber) adapter panel, single-mode, blue adapters, ceramic alignment sleeves |
| OR-OFP-LCQ24MB | 6-LC Quad (24 fiber) adapter panel, multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-OFP-LCD12LC | 6-LC Duplex (12 fiber) adapter panel, multimode, aqua adapters, ceramic alignment sleeves |
| OR-OFP-LCD12AC | 6-LC Duplex (12 fiber) adapter panel, single-mode, blue adapters, ceramic alignment sleeves |
| OR-OFP-LCD12MB | 6-LC Duplex (12 fiber) adapter panel, multimode, beige adapters, phosphor-bronze alignment sleeves |

*Type A MPO adapters are Key Up/Key Down.

# ADAPTER PANELS

OR-OFP-SCD06MB | OR-OFP-SCD06AC | OR-OFP-SCD06LC

OR-OFP-SCD08MB | OR-OFP-SCD08AC | OR-OFP-SCD08LC

OR-OFP-SCD12MB | OR-OFP-SCD12AC | OR-OFP-SCD12LC

OR-OFP-SCS06MB | OR-OFP-SCS06AC | OR-OFP-SCS06LC

OR-OFP-MTD12MA | OR-OFP-MTD12AA | OR-OFP-MTD12LA

OR-OFP-STS06NB | OR-OFP-STS06NC | OR-OFP-STD08MB

OR-OFP-STD08AC | OR-OFP-STD08LC | OR-OFP-STD12MB

OR-OFP-STD12AC | OR-OFP-STD12LC | OR-OFP-BLANK

| PART NO. | DESCRIPTION |
|---|---|
| OR-OFP-SCD06MB | 3-SC duplex (6 fibers) multimode, beige adapters,phosphor-bronze alignment sleeves* |
| OR-OFP-SCD06AC | 3-SC duplex (6 fibers) single-mode, blue adapters, ceramic alignment sleeves* |
| OR-OFP-SCD06LC | 3-SC duplex (6 fibers) multimode, aqua adapters, ceramic alignment sleeves* |
| OR-OFP-SCD08MB | 4-SC duplex (8 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-OFP-SCD08AC | 4-SC duplex (8 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-OFP-SCD08LC | 4-SC duplex (8 fibers) multimode, aqua adapters, ceramic alignment sleeves |
| OR-OFP-SCD12MB | 6-SC duplex (12 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-OFP-SCD12AC | 6-SC duplex (12 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-OFP-SCD12LC | 6-SC duplex (12 fibers) multimode, aqua adapters, ceramic alignment sleeves |
| OR-OFP-SCS06MB | 6-SC simplex (6 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-OFP-SCS06AC | 6-SC simplex (6 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-OFP-SCS06LC | 6-SC simplex (6 fibers) multimode, aqua adapters, ceramic alignment sleeves |
| OR-OFP-MTD12MA | 6-MT-RJ duplex (12 fibers) multimode, beige adapters |
| OR-OFP-MTD12AA | 6-MT-RJ duplex (12 fibers) single-mode, blue adapters |
| OR-OFP-MTD12LA | 6-MT-RJ duplex (12 fibers) multimode, aqua adapters |
| OR-OFP-STS06NB | 6-ST simplex (6 fibers) multimode adapters, phosphor-bronze alignment sleeves, metal adapters |
| OR-OFP-STS06NC | 6-ST simplex (6 fibers) single-mode, ceramic alignment sleeves, metal adapters |
| OR-OFP-STD08MB | 4-ST duplex (8 fibers) multimode adapters, phosphor-bronze alignment sleeves, beige adapters |
| OR-OFP-STD08AC | 4-ST duplex (8 fibers) single-mode adapters, ceramic alignment sleeves, blue adapters |
| OR-OFP-STD08LC | 4-ST duplex (8 fibers) multimode adapters, ceramic alignment sleeves, aqua adapters |
| OR-OFP-STD12MB | 6-ST duplex (12 fibers) multimode adapters, phosphor-bronze alignment sleeves, beige adapters |
| OR-OFP-STD12AC | 6-ST duplex (12 fibers) single-mode adapters, ceramic alignment sleeves, blue adapters |
| OR-OFP-STD12LC | 6-ST duplex (12 fibers) multimode adapters, ceramic alignment sleeve, aqua adapters |
| OR-OFP-BLANK | Blank panel, black |

*Designation strip kit provided for accurate port identification.

# PATCH CORDS
## SpaceSaver Fiber Optic Cable Assemblies

**Ideal for Data Center Applications**

The SpaceSaver line of duplex fiber optic patch cords features a single 2.4 mm round jacketed cable. These patch cords are available with duplex LC connectors at each end in either A-B or A-A types per the TIA 568 standard. These patch cords are ideal for high density installations common in data centers and SANs optimizing the available vertical and horizontal cable routing spaces.

NOTE: For other lengths and configurations, consult the Ortronics sales department.

**A–B POLARITY**

A — B
B — A

fig. 1

**A–A POLARITY**

A — B
B — A

fig. 2
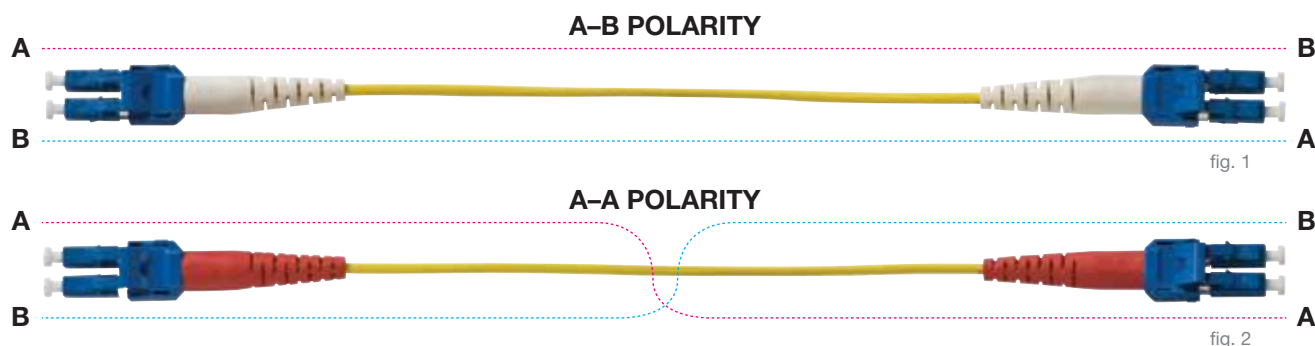
## SpaceSaver Duplex Fiber Optic Patch Cords for Premium & High Performance Systems

OR-P3DF6LPAZAZ001M

| OptiMo Laser Optimized (50/125) PC/OFNP (A-B*) | | OptiMo Laser Optimized (50/125) PC/OFNP (A-A**) | |
|---|---|---|---|
| PART NO. | DESCRIPTION | PART NO. | DESCRIPTION |
| OR-P3DF6LPAZAZ001M | 1 meter | OR-P3RF6LPAZAZ001M | 1 meter |
| OR-P3DF6LPAZAZ002M | 2 meters | OR-P3RF6LPAZAZ002M | 2 meters |
| OR-P3DF6LPAZAZ003M | 3 meters | OR-P3RF6LPAZAZ003M | 3 meters |

NOTE: *A-B patch cords reverse the fiber positions (fig. 1), **A-A patch cords do not reverse the fiber (fig. 2).

## SpaceSaver Duplex Fiber Optic Patch Cords for Standard Performance Systems

OR-P1DF6LPAZAZ001M

| OptiMo Laser Optimized (50/125) PC/OFNP (A-B*) | | OptiMo Laser Optimized (50/125) PC/OFNP (A-A*) | |
|---|---|---|---|
| PART NO. | DESCRIPTION | PART NO. | DESCRIPTION |
| OR-P1DF6LPAZAZ001M | 1 meter | OR-P1RF6LPAZAZ001M | 1 meter |
| OR-P1DF6LPAZAZ002M | 2 meters | OR-P1RF6LPAZAZ002M | 2 meters |
| OR-P1DF6LPAZAZ003M | 3 meters | OR-P1RF6LPAZAZ003M | 3 meters |

OR-P1RC6IPUZUZ001M

| OptiMo Single-mode UPC/OFNP (A-B*) | | OptiMo Single-mode UPC/OFNP (A-A*) | |
|---|---|---|---|
| PART NO. | DESCRIPTION | PART NO. | DESCRIPTION |
| OR-P1DC6IPUZUZ001M | 1 meter | OR-P1RC6IPUZUZ001M | 1 meter |
| OR-P1DC6IPUZUZ002M | 2 meters | OR-P1RC6IPUZUZ002M | 2 meters |
| OR-P1DC6IPUZUZ003M | 3 meters | OR-P1RC6IPUZUZ003M | 3 meters |

OR-P1DA6BPAZAZ001M

| OptiMo (62.5/125) PC/OFNP (A-B*) | | OptiMo (62.5/125) PC/OFNP (A-A*) | |
|---|---|---|---|
| PART NO. | DESCRIPTION | PART NO. | DESCRIPTION |
| OR-P1DA6BPAZAZ001M | 1 meter | OR-P1RA6BPAZAZ001M | 1 meter |
| OR-P1DA6BPAZAZ002M | 2 meters | OR-P1RA6BPAZAZ002M | 2 meters |
| OR-P1DA6BPAZAZ003M | 3 meters | OR-P1RA6BPAZAZ003M | 3 meters |
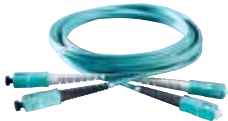
# PATCH CORDS
## Fiber Optic Cable Assemblies

NOTE: Duplex zipcord jumpers include removable duplexing clips (unassembled in the bag).

## Duplex Fiber Optic Patch Cords for Premium & High Performance Systems

| | OptiMo® LOMF (50/125) PC/OFNR, 2mm Zip Cord | |
|---|---|---|
| OR-P3DF2LRGZGZ001M | DUPLEX, LC-PC TO LC-PC | LENGTH |
| | OR-P3DF2LRGZGZ001M | 1 meter |
| | OR-P3DF2LRGZGZ002M | 2 meters |
| | OR-P3DF2LRGZGZ003M | 3 meters |
| OR-P3DF2LRFZFZ001M | DUPLEX, SC-PC TO SC-PC | LENGTH |
| | OR-P3DF2LRFZFZ001M | 1 meter |
| | OR-P3DF2LRFZFZ002M | 2 meters |
| | OR-P3DF2LRFZFZ003M | 3 meters |
| OR-P3DF2LRFZGZ001M | DUPLEX, SC-PC TO LC-PC | LENGTH |
| | OR-P3DF2LRFZGZ001M | 1 meter |
| | OR-P3DF2LRFZGZ002M | 2 meters |
| | OR-P3DF2LRFZGZ003M | 3 meters |

# PATCH CORDS
## Fiber Optic Cable Assemblies

NOTE: Duplex zipcord jumpers include removable duplexing clips (unassembled in the bag).

## Duplex Fiber Optic Patch Cords for Standard Performance Systems

| | | OptiMo® LOMF (50/125) PC/OFNR, 2mm Zip Cord | | OptiMo Single-mode UPC/OFNR, 2mm Zip Cord | |
|---|---|---|---|---|---|
| OR-P1DF2LRGZGZ001M | OR-P1DC2IRSZSZ001M | DUPLEX, LC-PC TO LC-PC | LENGTH | DUPLEX, LC-UPC TO LC-UPC | LENGTH |
| | | OR-P1DF2LRGZGZ001M | 1 meter | OR-P1DC2IRSZSZ001M | 1 meter |
| | | OR-P1DF2LRGZGZ002M | 2 meters | OR-P1DC2IRSZSZ002M | 2 meters |
| | | OR-P1DF2LRGZGZ003M | 3 meters | OR-P1DC2IRSZSZ003M | 3 meters |
| OR-P1DF2LRFZFZ001M | OR-P1DC2IRRZRZ001M | DUPLEX, SC-PC TO SC-PC | LENGTH | DUPLEX, SC-UPC TO SC-UPC | LENGTH |
| | | OR-P1DF2LRFZFZ001M | 1 meter | OR-P1DC2IRRZRZ001M | 1 meter |
| | | OR-P1DF2LRFZFZ002M | 2 meters | OR-P1DC2IRRZRZ002M | 2 meters |
| | | OR-P1DF2LRFZFZ003M | 3 meters | OR-P1DC2IRRZRZ003M | 3 meters |
| OR-P1DF2LRFZGZ001M | OR-P1DC2IRRZSZ001M | DUPLEX, SC-PC TO LC-PC | LENGTH | DUPLEX, SC-UPC TO LC-UPC | LENGTH |
| | | OR-P1DF2LRFZGZ001M | 1 meter | OR-P1DC2IRRZSZ001M | 1 meter |
| | | OR-P1DF2LRFZGZ002M | 2 meters | OR-P1DC2IRRZSZ002M | 2 meters |
| | | OR-P1DF2LRFZGZ003M | 3 meters | OR-P1DC2IRRZSZ003M | 3 meters |

## Duplex Fiber Optic Patch Cords for Standard Performance Systems
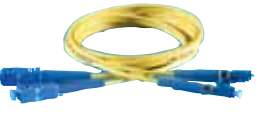
| | OptiMo Multimode (62.5/125) PC/OFNR, 2mm Zip Cord | |
|---|---|---|
| OR-P1DA2BRGZGZ001M | DUPLEX, LC-PC TO LC-PC | LENGTH |
| | OR-P1DA2BRGZGZ001M | 1 meter |
| | OR-P1DA2BRGZGZ002M | 2 meters |
| | OR-P1DA2BRGZGZ003M | 3 meters |
| OR-P1DA2BRFZFZ001M | DUPLEX, SC-PC TO SC-PC | LENGTH |
| | OR-P1DA2BRFZFZ001M | 1 meter |
| | OR-P1DA2BRFZFZ002M | 2 meters |
| | OR-P1DA2BRFZFZ003M | 3 meters |
| OR-P1DA2BRFZGZ001M | DUPLEX, SC-PC TO LC-PC | LENGTH |
| | OR-P1DA2BRFZGZ001M | 1 meter |
| | OR-P1DA2BRFZGZ002M | 2 meters |
| | OR-P1DA2BRFZGZ003M | 3 meters |

# PATCH CORDS
## Fiber Optic Cable Assemblies Low Smoke Zero Halogen

NOTE: Duplex zipcord jumpers include removable duplexing clips (unassembled in the bag).

## Duplex Fiber Optic Patch Cords for Standard Performance Systems

| OptiMo® LOMF (50/125) PC/LSZH, 2mm Zip Cord | | OptiMo Single-mode UPC/LSZH, 2mm Zip Cord | |
|---|---|---|---|
| **DUPLEX, LC-PC TO LC-PC** | **LENGTH** | **DUPLEX, LC-UPC TO LC-UPC** | **LENGTH** |
| OR-P1DF2LLGZGZ001M | 1 meter | OR-P1DC2ILSZSZ001M | 1 meter |
| OR-P1DF2LLGZGZ002M | 2 meters | OR-P1DC2ILSZSZ002M | 2 meters |
| OR-P1DF2LLGZGZ003M | 3 meters | OR-P1DC2ILSZSZ003M | 3 meters |
| **DUPLEX, SC-PC TO SC-PC** | **LENGTH** | **DUPLEX, SC-UPC TO SC-UPC** | **LENGTH** |
| OR-P1DF2LLFZFZ001M | 1 meter | OR-P1DC2ILRZRZ001M | 1 meter |
| OR-P1DF2LLFZFZ002M | 2 meters | OR-P1DC2ILRZRZ002M | 2 meters |
| OR-P1DF2LLFZFZ003M | 3 meters | OR-P1DC2ILRZRZ003M | 3 meters |
| **DUPLEX, SC-PC TO LC-PC** | **LENGTH** | **DUPLEX, SC-UPC TO LC-UPC** | **LENGTH** |
| OR-P1DF2LLFZGZ001M | 1 meter | OR-P1DC2ILRZSZ001M | 1 meter |
| OR-P1DF2LLFZGZ002M | 2 meters | OR-P1DC2ILRZSZ002M | 2 meters |
| OR-P1DF2LLFZGZ003M | 3 meters | OR-P1DC2ILRZSZ003M | 3 meters |

Part labels shown: OR-P1DF2LLGZGZ001M, OR-P1DC2ILSZSZ001M, OR-P1DF2LLFZFZ001M, OR-P1DC2ILRZRZ001M, OR-P1DF2LLFZGZ001M, OR-P1DC2ILRZSZ001M

## Duplex Fiber Optic Patch Cords for Standard Performance Systems

| OptiMo Multimode (62.5/125) PC/LSZH, 2mm Zip Cord | |
|---|---|
| **DUPLEX, LC-PC TO LC-PC** | **LENGTH** |
| OR-P1DA2BLGZGZ001M | 1 meter |
| OR-P1DA2BLGZGZ002M | 2 meters |
| OR-P1DA2BLGZGZ003M | 3 meters |
| **DUPLEX, SC-PC TO SC-PC** | **LENGTH** |
| OR-P1DA2BLFZFZ001M | 1 meter |
| OR-P1DA2BLFZFZ002M | 2 meters |
| OR-P1DA2BLFZFZ003M | 3 meters |
| **DUPLEX, SC-PC TO LC-PC** | **LENGTH** |
| OR-P1DA2BLFZGZ001M | 1 meter |
| OR-P1DA2BLFZGZ002M | 2 meters |
| OR-P1DA2BLFZGZ003M | 3 meters |

Part labels shown: OR-P1DA2BLGZGZ001M, OR-P1DA2BLFZFZ001M, OR-P1DA2BLFZGZ001M

# PATCH CORDS
## Fiber Optic Cable Assemblies for Premium & High Performance Systems

NOTE: All pigtail products include a 1 meter breakout section consisting of 900 µm buffered fiber with terminated ends. LC, SC and ST cable assemblies have connectors with ceramic ferrules. For other lengths and configurations, consult the Ortronics sales department.

## Single Connector Pigtails

**OptiMo Laser Optimized (50/125) PC/OFNR**

OR-P3PF9FRFZZZ001M

| PREMIUM PERFORMANCE | |
| --- | --- |
| 1 FIBER CONNECTOR PIGTAIL, SC-PC, 50 LOMF | LENGTH |
| OR-P3PF9FRFZZZ001M | 1 meter |
| OR-P3PF9FRFZZZ002M | 2 meters |

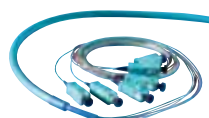OR-P3PF9FRGZZZ001M

| PREMIUM PERFORMANCE | |
| --- | --- |
| 1 FIBER CONNECTOR PIGTAIL, LC-PC, 50 LOMF | LENGTH |
| OR-P3PF9FRGZZZ001M | 1 meter |
| OR-P3PF9FRGZZZ002M | 2 meters |

## Six Connector Pigtails

**OptiMo Laser Optimized (50/125) PC/OFNR**

OR-P3SF4ZRFZZZ001M

| PREMIUM PERFORMANCE | |
| --- | --- |
| 6 FIBER CONNECTOR PIGTAIL, SC-PC, 50 LOMF | LENGTH |
| OR-P3SF4ZRFZZZ001M | 1 meter |
| OR-P3SF4ZRFZZZ002M | 2 meters |

OR-P3SF4ZRGZZZ001M

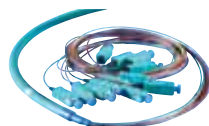| PREMIUM PERFORMANCE | |
| --- | --- |
| 6 FIBER CONNECTOR PIGTAIL, LC-PC, 50 LOMF | LENGTH |
| OR-P3SF4ZRGZZZ001M | 1 meter |
| OR-P3SF4ZRGZZZ002M | 2 meters |

## Twelve Connector Pigtails

**OptiMo Laser Optimized (50/125) PC/OFNR**

OR-P3TF4ZRFZZZ001M

| PREMIUM PERFORMANCE | |
| --- | --- |
| 12 FIBER CONNECTOR PIGTAIL, SC-PC, 50 LOMF | LENGTH |
| OR-P3TF4ZRFZZZ001M | 1 meter |
| OR-P3TF4ZRFZZZ002M | 2 meters |

OR-P3TF4ZRGZZZ001M
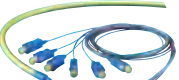
| PREMIUM PERFORMANCE | |
| --- | --- |
| 12 FIBER CONNECTOR PIGTAIL, LC-PC, 50 LOMF | LENGTH |
| OR-P3TF4ZRGZZZ001M | 1 meter |
| OR-P3TF4ZRGZZZ002M | 2 meters |

# PATCH CORDS
## Fiber Optic Cable Assemblies for Standard Performance Systems

NOTE: All pigtail products include a 1 meter breakout section consisting of 900 μm buffered fiber with terminated ends. LC, SC and ST cable assemblies have connectors with ceramic ferrules. For other lengths and configurations, consult the Ortronics sales department.

### Single Connector Pigtails

| OptiMo® Multimode (62.5/125) PC/OFNR | | OptiMo Laser Optimized (50/125) PC/OFNR | | OptiMo Single-mode UPC/OFNR | |
|---|---|---|---|---|---|
| OR-P1PF9FRFZZZ001M | OR-P1PC9FRRZZZ001M | | | | |
| 1 CONNECTOR PIGTAIL, SC-PC | 1 FIBER | 1 CONNECTOR PIGTAIL, SC-PC | 1 FIBER | 1 CONNECTOR PIGTAIL, SC-UPC | 1 FIBER |
| OR-P1PA9FRFZZZ001M | 1 meter | OR-P1PF9FRFZZZ001M | 1 meter | OR-P1PC9FRRZZZ001M | 1 meter |
| OR-P1PA9FRFZZZ002M | 2 meters | OR-P1PF9FRFZZZ002M | 2 meters | OR-P1PC9FRRZZZ002M | 2 meters |
| OR-P1PF9FRGZZZ001M | OR-P1PC9FRSZZZ001M | | | | |
| 1 CONNECTOR PIGTAIL, LC-PC | 1 FIBER | 1 CONNECTOR PIGTAIL, LC-PC | 1 FIBER | 1 CONNECTOR PIGTAIL, LC-UPC | 1 FIBER |
| OR-P1PA9FRGZZZ001M | 1 meter | OR-P1PF9FRGZZZ001M | 1 meter | OR-P1PC9FRSZZZ001M | 1 meter |
| OR-P1PA9FRGZZZ002M | 2 meters | OR-P1PF9FRGZZZ002M | 2 meters | OR-P1PC9FRSZZZ002M | 2 meters |

### Six Connector Pigtails

| OptiMo Multimode (62.5/125) PC/OFNR | | OptiMo Laser Optimized (50/125) PC/OFNR | | OptiMo Single-mode UPC/OFNR | |
|---|---|---|---|---|---|
| OR-P1SF4ZRFZZZ001M | OR-P1SC4ZRRZZZ001M | | | | |
| 6 CONNECTOR PIGTAIL, SC-PC | 6 FIBER | 6 CONNECTOR PIGTAIL, SC-PC | 6 FIBER | 6 CONNECTOR PIGTAIL, SC-UPC | 6 FIBER |
| OR-P1SA4ZRFZZZ001M | 1 meter | OR-P1SF4ZRFZZZ001M | 1 meter | OR-P1SC4ZRRZZZ001M | 1 meter |
| OR-P1SA4ZRFZZZ002M | 2 meters | OR-P1SF4ZRFZZZ002M | 2 meters | OR-P1SC4ZRRZZZ002M | 2 meters |
| OR-P1SF4ZRGZZZ001M | OR-P1SC4ZRSZZZ001M | | | | |
| 6 CONNECTOR PIGTAIL, LC-PC | 6 FIBER | 6 CONNECTOR PIGTAIL, LC-PC | 6 FIBER | 6 CONNECTOR PIGTAIL, LC-UPC | 6 FIBER |
| OR-P1SA4ZRGZZZ001M | 1 meter | OR-P1SF4ZRGZZZ001M | 1 meter | OR-P1SC4ZRSZZZ001M | 1 meter |
| OR-P1SA4ZRGZZZ002M | 2 meters | OR-P1SF4ZRGZZZ002M | 2 meters | OR-P1SC4ZRSZZZ002M | 2 meters |

### Twelve Connector Pigtails

| OptiMo Multimode (62.5/125) PC/OFNR | | OptiMo Laser Optimized (50/125) PC/OFNR | | OptiMo Single-mode UPC/OFNR | |
|---|---|---|---|---|---|
| OR-P1TF4ZRFZZZ001M | OR-P1TC4ZRRZZZ001M | | | | |
| 12 CONNECTOR PIGTAIL, SC-PC | 12 FIBER | 12 CONNECTOR PIGTAIL, SC-PC | 12 FIBER | 12 CONNECTOR PIGTAIL, SC-UPC | 12 FIBER |
| OR-P1TA4ZRFZZZ001M | 1 meter | OR-P1TF4ZRFZZZ001M | 1 meter | OR-P1TC4ZRRZZZ001M | 1 meter |
| OR-P1TA4ZRFZZZ002M | 2 meters | OR-P1TF4ZRFZZZ002M | 2 meters | OR-P1TC4ZRRZZZ002M | 2 meters |
| OR-P1TF4ZRGZZZ001M | OR-P1TC4ZRSZZZ001M | | | | |
| 12 CONNECTOR PIGTAIL, LC-PC | 12 FIBER | 12 CONNECTOR PIGTAIL, LC-PC | 12 FIBER | 12 CONNECTOR PIGTAIL, LC-UPC | 12 FIBER |
| OR-P1TA4ZRGZZZ001M | 1 meter | OR-P1TF4ZRGZZZ001M | 1 meter | OR-P1TC4ZRSZZZ001M | 1 meter |
| OR-P1TA4ZRGZZZ002M | 2 meters | OR-P1TF4ZRGZZZ002M | 2 meters | OR-P1TC4ZRSZZZ002M | 2 meters |

# PATCH CORDS Low Smoke Zero Halogen
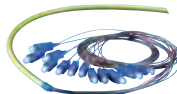## Fiber Optic Cable Assemblies for Standard Performance Systems

NOTE: All pigtail products include a 1 meter breakout section consisting of 900 μm buffered fiber with terminated ends. LC, SC and ST cable assemblies have connectors with ceramic ferrules. For other lengths and configurations, consult the Ortronics sales department.

### Six Connector Pigtails

| | OptiMo Multimode (62.5/125) PC/LSZH | | OptiMo Laser Optimized (50/125) PC/LSZH | | OptiMo Single-mode UPC/LSZH | |
|---|---|---|---|---|---|---|
| OR-P1SF4ZRFZZZ001M   OR-P1SC4ZRRZZZ001M | 6 CONNECTOR PIGTAIL, SC-PC | 6 FIBER | 6 CONNECTOR PIGTAIL, SC-PC | 6 FIBER | 6 CONNECTOR PIGTAIL, SC-UPC | 6 FIBER |
| | OR-P1SA4ZLFZZZ001M | 1 meter | OR-P1SF4ZLFZZZ001M | 1 meter | OR-P1SC4ZLRZZZ001M | 1 meter |
| | OR-P1SA4ZLFZZZ002M | 2 meters | OR-P1SF4ZLFZZZ002M | 2 meters | OR-P1SC4ZLRZZZ002M | 2 meters |
| OR-P1SF4ZRGZZZ001M   OR-P1SC4ZRSZZZ001M | 6 CONNECTOR PIGTAIL, LC-PC | 6 FIBER | 6 CONNECTOR PIGTAIL, LC-PC | 6 FIBER | 6 CONNECTOR PIGTAIL, LC-UPC | 6 FIBER |
| | OR-P1SA4ZLGZZZ001M | 1 meter | OR-P1SF4ZLGZZZ001M | 1 meter | OR-P1SC4ZLSZZZ001M | 1 meter |
| | OR-P1SA4ZLGZZZ002M | 2 meters | OR-P1SF4ZLGZZZ002M | 2 meters | OR-P1SC4ZLSZZZ002M | 2 meters |

### Twelve Connector Pigtails

| | OptiMo Multimode (62.5/125) PC/LSZH | | OptiMo Laser Optimized (50/125) PC/LSZH | | OptiMo Single-mode UPC/LSZH | |
|---|---|---|---|---|---|---|
| OR-P1SF4ZRFZZZ001M   OR-P1SC4ZRRZZZ001M | 12 CONNECTOR PIGTAIL, SC-PC | 12 FIBER | 12 CONNECTOR PIGTAIL, SC-PC | 12 FIBER | 12 CONNECTOR PIGTAIL, SC-UPC | 12 FIBER |
| | OR-P1TA4FLFZZZ0001M | 1 meter | OR-P1TF4ZLFZZZ0001M | 1 meter | OR-P1TC4ZLRZZZ0001M | 1 meter |
| | OR-P1TA4FLFZZZ0002M | 2 meters | OR-P1TF4ZLFZZZ0002M | 2 meters | OR-P1TC4ZLRZZZ0002M | 2 meters |
| OR-P1SF4ZRGZZZ001M   OR-P1SC4ZRSZZZ001M | 12 CONNECTOR PIGTAIL, LC-PC | 12 FIBER | 12 CONNECTOR PIGTAIL, LC-PC | 12 FIBER | 12 CONNECTOR PIGTAIL, LC-UPC | 12 FIBER |
| | OR-P1TA4FLGZZZ0001M | 1 meter | OR-P1TF4ZLGZZZ0001M | 1 meter | OR-P1TC4ZLSZZZ0001M | 1 meter |
| | OR-P1TA4FLGZZZ0002M | 2 meters | OR-P1TF4ZLGZZZ0002M | 2 meters | OR-P1TC4ZLSZZZ0002M | 2 meters |

# PATCH CORDS
## Pre-Terminated Momentum® Backbone Cables

**Pre-Terminated MTP To MTP Multimode Momentum Backbone Cables**



| PART NO. | DESCRIPTION |
|---|---|
| OR-TOBPLAFFZAAxxxM | Plenum, 50 LMOF, OM#, no pins, 12-fibers, aqua, meters |
| OR-TOBPLAFFZAAxxxF | Plenum, 50 LMOF, OM#, no pins, 12-fibers, aqua, feet |
| OR-TOBLLAFFZAAxxxM | LSZH, 50 LMOF, OM#, no pins, 12-fibers, aqua, meters |
| OR-TOBLLAFFZAAxxxF | LSZH, 50 LMOF, OM#, no pins, 12-fibers, aqua, feet |

Note: replace xxx with length in feet or meters (refer to F or M part number).

# PATCH CORDS
## Pre-Terminated Momentum® Backbone Cables

### Pre-Terminated MTP To MTP Single-Mode Momentum Backbone Cables

| PART NO. | DESCRIPTION |
|---|---|
| OR-TOBPIAFCZIIxxxM | Plenum, single-mode, OS2, no pins, 12-fibers, yellow, meters |
| OR-TOBPIAFCZIIxxxF | Plenum, single-mode, OS2, no pins, 12-fibers, yellow, feet |
| OR-TOBLIAFCZIIxxxM | LSZH, single-mode, OS2, no pins, 12-fibers, yellow, meters |
| OR-TOBLIAFCZIIxxxF | LSZH, single-mode, OS2, no pins, 12-fibers, yellow, feet |

Note: replace xxx with length in feet or meters (refer to F or M part number).

Momentum Backbone cables can also be ordered in 62.5/125 and standard 50/125 optical fiber for legacy and low data rate applications. Please contact your Ortronics sales representative for assistance.

### Harness

Ortronics® harnesses are used to break out the MPO-fitted trunk cable into LC duplex connectors to plug directly into the active device. Each harness has a 12-fiber MTP*/MPO pinned (male) connector on one end and 6 duplex LC furcation tubes on the other. Each leg of the LC end can be either identical in length, or each leg can be staggered 30mm (1.18˝) longer than the tube before it; another way to minimize and manage excess cable slack.

*MTP is a registered trademark of UC Conec.

| PART NO. | DESCRIPTION |
|---|---|
| 63900071-001 | Harness assembly, 12 fiber, MPO (M)/LC Duplex, A-B, 50 LOMF, 2m |
| 63900071-002 | Harness assembly, 12 fiber, MPO (M)/LC Duplex, A-B, 50 LOMF, staggered, 3m |
| 63900071-003 | Harness assembly, 12 fiber, MPO (M)/LC Duplex, A-B, 50 LOMF, staggered, 4m |
| 63900071-004 | Harness assembly, 12 fiber, MPO (M)/LC Duplex, A-A, 50 LOMF, 2m |
| 63900071-005 | Harness assembly, 12 fiber, MPO (M)/LC Duplex, A-A, 50 LOMF, staggered, 3m |
| 63900071-006 | Harness assembly, 12 fiber, MPO (M)/LC Duplex, A-A, 50 LOMF, staggered, 4m |

# ORTRONICS®

The most critical point in any optical interconnect is the physical contact interface between mated connector pairs. When polishing fiber connectors, a small lens is created at the tip of the connector and the shape of this lens critically impacts transmission of light. Utilizing advanced laser interferometry equipment to monitor the manufacturing process, Ortronics® OptiMo® pre-polished field termination connectors exhibit highly controlled end-face geometry resulting in reliable, low insertion loss, minimal return loss connections. In addition, this approach eliminates imprecise epoxy application, time consuming curing, and highly variable hand polishing from field installation practices. The net effect is reduced installation expense, higher yield field terminations, and better performance.

| Features | Benefits |
|---|---|
| ■ No epoxy, polishing, or fusion splicing required | ■ Fast, easy assembly in the field |
| ■ No special tools required | ■ Common fiber tools, readily available |
| ■ Fast installation | ■ Cost savings |
| ■ Factory prepared and verified end face | ■ Reliability and superior performance |
| ■ 62.5, 50 micron LOMF and single-mode versions available* | ■ Flexibility for many installation applications |
| ■ Unlimited shelf life | ■ Ready when needed, reduced waste |

*All 50/125 field-installable connectors are suitable for use with 10 Gigabit (10GBASE-SR applications and 10GFC) systems.

# FIELD-INSTALLABLE CONNECTORS
## OptiMo® Pre-Polished Connectors

OR-205KAS9GA-50T

### LC Field-Installable, 50/125, 900 Micron Buffer

OptiMo 10Gb/s field-installable LC connector for use with 50 micron multimode fiber is suitable for 10 Gigabit applications. The OptiMo 10Gb/s technology incorporates a factory-bonded fiber stub, ceramic ferrule, and precise factory polish. Designed for installation on 900 micron buffered fiber. Optional kits available for installation on 2.0 mm diameter jacketed cables (see OR-20500267).

| PART NO. | DESCRIPTION |
|---|---|
| OR-205KAS9GA-50T | Individually packaged |

NOTE: All 50/125 field-installable connectors are suitable for use with 10 Gigabit (10GBASE-SR applications and 10GFC) systems.

OR-205KAS9GA-09

### LC Field-Installable, Single-mode, 900 Micron Buffer

OptiMo field-installable LC connector for use with single-mode fiber incorporates a factory-bonded fiber stub, ceramic ferrule, and precise factory polish. Designed for installation on 900 micron buffered fiber. Optional kits available for installation on 2.0 mm diameter jacketed cables (see OR-20500267).

| PART NO. | DESCRIPTION |
|---|---|
| OR-205KAS9GA-09 | Individually packaged |

OR-205KAS9GA-62

### LC Field-Installable, 62.5/125, 900 Micron Buffer

OptiMo field-installable LC connector for use with 62.5 micron multimode fiber incorporates a factory-bonded fiber stub, ceramic ferrule, and precise factory polish. Designed for installation on 900 micron buffered fiber. Optional kits available for installation on 2.0 mm diameter jacketed cables (see OR-20500267).

| PART NO. | DESCRIPTION |
|---|---|
| OR-205KAS9GA-62 | Individually packaged |

OR-20500267

### LC Accessory Kit for 2.0 mm and 3.0 mm Jacketed Fiber

This is the Ortronics accessory kit for use when installing LC connectors on 2.0 mm or 3.0 mm jacketed cables. Kit includes two strain relief connector boots using flexible engineering rubber, 3.0 mm and 2.0 mm crimp rings.

| PART NO. | DESCRIPTION |
|---|---|
| OR-20500267 | LC accessory kit for 2.0 mm and 3.0 mm jacketed fiber |

**ORTRONICS®**

OR-205KAS9FA-50T

### SC Field-Installable, 50/125, 900 Micron Buffer

OptiMo 10 Gb/s field-installable SC connector for use with 50 micron multi-mode fiber is suitable for 10 Gigabit applications. The OptiMo 10Gb/s technology incorporates a factory-bonded fiber stub, ceramic ferrule, and precise factory polish. Designed for installation on 900 micron buffered fiber. Optional kits available for installation on 2.4 to 3.0 mm diameter jacketed cables (see OR-20500237).

| PART NO. | DESCRIPTION |
|---|---|
| OR-205KAS9FA-50T | Individually packaged |

NOTE: All 50/125 field-installable connectors are suitable for use with 10 Gigabit (10GBASE-SR Applications and 10GFC) systems.

OR-205KAS9FA-09

### SC Field-Installable, Single-mode, 900 Micron Buffer

OptiMo field-installable SC connector for use with single-mode fiber. The OptiMo technology incorporates a factory-bonded fiber stub, ceramic ferrule, and precise factory polish. Designed for installation on 900 micron buffered fiber. Optional kits are available for installation on 2.4 to 3.0 mm diameter jacketed cables (see OR-20500237).

| PART NO. | DESCRIPTION |
|---|---|
| OR-205KAS9FA-09 | Individually packaged |

OR-205KAS9FA-62

### SC Field-Installable, 62.5/125, 900 Micron Buffer

OptiMo field-installable SC connector for use with 62.5 micron multimode fiber incorporates a factory-bonded fiber stub, ceramic ferrule, and precise factory polish. Designed for installation on 900 micron buffered fiber. Optional kits available for installation on 2.4 to 3.0 mm diameter jacketed cables (see OR-20500237).

| PART NO. | DESCRIPTION |
|---|---|
| OR-205KAS9FA-62 | Individually packaged |

OR-20500237

### SC Accessory Kit for 2.4 and 3.0 mm Jacketed Fiber

Ortronics accessory kit for use in installing SC connectors on 2.4 to 3.0 mm jacketed cables. Kit includes strain relief connector boot using flexible engineering rubber, a cord adapter, a 2.4 mm crimp ring, and a 3.0 mm crimp ring.

| PART NO. | DESCRIPTION |
|---|---|
| OR-20500237 | Optional strain relief boot accessory kit for use in installing SC connectors on 2.4 and 3.0 mm jacketed cables |

# FIELD-INSTALLABLE CONNECTORS
## OptiMo® Pre-Polished Connectors

OR-205KAS9EA-50T

### ST Field-Installable, 50/125, 900 Micron Buffer

OptiMo 10Gb/s field-installable ST connector for use with 50 micron multimode fiber is suitable for 10 Gigabit applications. The OptiMo 10Gb/s technology incorporates a factory-bonded fiber stub, ceramic ferrule, and precision factory polish. Designed for installation on 900 micron buffered fiber. Optional kits are available for installation on 2.4 to 3.0 mm diameter jacketed cables (see OR-20500236).

| PART NO. | DESCRIPTION |
|---|---|
| OR-205KAS9EA-50T | Individually packaged |

NOTE: All 50/125 field-installable connectors are suitable for use with 10 Gigabit (10GBASE-SR applications and 10GFC) systems.

OR-205KAS9EA-62

### ST Field-Installable, 62.5, 900 Micron Buffer

OptiMo field-installable ST connector for use with 62.5 micron multimode fiber incorporates a factory-bonded fiber stub, ceramic ferrule, and precise factory polish. Designed for installation on 900 micron buffered fiber. Optional kits are available for installation on 2.4 to 3.0 mm diameter jacketed cables (see OR-20500236).

| PART NO. | DESCRIPTION |
|---|---|
| OR-205KAS9EA-62 | Individually packaged |

OR-205KAS9EA-09

### ST Field-Installable, Single-mode, 900 Micron Buffer

OptiMo field-installable ST connector for use with single-mode fiber incorporates a factory-bonded fiber stub, ceramic ferrule, and precise factory polish. Designed for installation on 900 micron buffered fiber. Optional kits are available for installation on 2.4 to 3.0 mm diameter jacketed cables (see OR-20500236).

| PART NO. | DESCRIPTION |
|---|---|
| OR-205KAS9EA-09 | Individually packaged |

OR-20500236

### ST Accessory Kit for 2.4 and 3.0 mm Jacketed Fiber

Ortronics accessory kit for use in installing ST connectors on 2.4 to 3.0 mm jacketed cables. Kit includes strain relief connector boot using flexible engineering rubber, a 2.4 mm crimp ring, and a 3.0 mm crimp ring.

| PART NO. | DESCRIPTION |
|---|---|
| OR-20500236 | Optional strain relief boot accessory kit for use in installing ST connectors on 2.4 and 3.0 mm jacketed cables. Package of 25 |

# FIELD-INSTALLABLE CONNECTORS
## OptiMo® Pre-Polished Connectors Tools & Kits

With any tool kits, components get lost or worn out over time. To accommodate replenishment needs, Ortronics® offers a complete range of high quality accessory components supporting the OptiMo® field termination system. From cleaning supplies to cleavers, microscopes, instruction sheets, fiber strip and crimp tools, Ortronics has the components to meet a range of needs and keep installations moving forward.

OR-854B00000-1

### Complete OptiMo Termination Kit

Ortronics complete OptiMo Termination Kit for installing ST, SC and LC type connectors. Kit includes universal installation tool, fiber cleaver, crimping tool, instruction manual, fiber preparation guide, microscope, alcohol wipes, felt tipped marker, scissors, tweezers, waste container and one fiber/cable stripper.

| PART NO. | DESCRIPTION |
|---|---|
| OR-854B00000-1 | Complete OptiMo termination kit |

OR-61500858

### OptiMo Breakout Kits

To be used with loose tube cables.

| PART NO. | DESCRIPTION |
|---|---|
| OR-61500858 | Breakout kit, 12 fiber |
| OR-61500868 | Breakout kit, 6 fiber |

OR-61500868

OR-60300203

### OptiMo Universal Connector Installation Tool

| PART NO. | DESCRIPTION |
|---|---|
| OR-60300203 | Includes one clamp and tool compatible with OptiMo LC, SC and ST connectors |

OR-60300204

### Table Top Stand

| PART NO. | DESCRIPTION |
|---|---|
| OR-60300204 | One table top stand for installation tool |

# FIELD-INSTALLABLE CONNECTORS
## OptiMo® Pre-Polished Connectors Tools & Kits

## Precision Fiber Cleave Tool

OR-60300210

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-60300210 | Precision cleaver |

## Fiber Cleave Tool

OR-60300123

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-60300123 | Cleaver with preset stop |

## Microscope

OR-60300128

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-60300128 | Cleave inspection microscope (100x) |

## OptiMo Crimp Tool with Die

OR-60300125

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-60300125 | Crimp Tool with Die |

## FIELD-INSTALLABLE CONNECTORS
### OptiMo® Pre-Polished Connectors Tools & Kits

## Strip Tools

OR-60300124          OR-60300127          OR-60300205

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-60300124 | Miller® style |
| OR-60300127 | Nick-free style |
| OR-60300205 | Universal jacket/buffer |

## Alcohol Wipes

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-854A00001 | 80 alcohol wipes and felt tipped marker |

## OptiMo Installation Instruction Manual

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-71601671 | Compatible with LC, SC and ST |

# FIELD-INSTALLABLE CONNECTORS
## OptiMo® Field-Installable Anaerobic Connectors

OptiMo quick-cure, anaerobic epoxy field-installable connectors speed installation time. Strip the fiber, inject the adhesive into the connector, insert and scribe the fiber, then polish the connector end face to perfection for a high performance termination. Users and installers will benefit from high productivity and low connector costs — which translates directly into savings.

| Features | Benefits |
|---|---|
| ■ Simple design | ■ Allows for lower unit costs. Advanced engineering helps us ensure long life and saves replacement costs. |
| ■ No capital equipment | ■ With OptiMo field polish connectors, there is no need for curing ovens, UV light sources, or expensive polishing machines. It is possible to terminate anywhere without worrying about power sources or charging batteries. |
| ■ Fast application | ■ Terminate fibers in about two minutes following the easy installation instructions, saving on installation time. |
| ■ Precision ceramic ferrule | ■ Provides durability, temperature stability and scratch resistance. |
| ■ Single-mode or multimode | ■ Simplistic offering reduces confusion by offering one style connector that covers all multimode applications to include 62.5µm, standard 50µm, or laser optimized 50µm for 10 Gigabit transmission, and single-mode. |
| ■ Pre-radius LC | ■ One-piece pre-radius LC connector for minimal polishing and consistent end-face geometry resulting in more consistent optical performance. |
| ■ Reliable performance | ■ Secure the installation of fiber using an adhesive and primer for a secure worry-free termination. |
| ■ Minimal tools | ■ A compact and economical tool kit contains all the common tools necessary to complete the termination. |

## Anaerobic Adhesive Connectors

OR-205KAN9GA-MM

OR-205KAN9GA-SM

OR-205KAN9FA-MM

OR-205KAN9FA-SM

OR-205KAN9EA-MM

OR-205KAN9EA-SM

| PART NO./SINGLE | DESCRIPTION |
|---|---|
| OR-205KAN9GA-MM | LC, multimode, buffer size (µm) 900 |
| OR-205KAN9GA-SM | LC, single-mode, buffer size (µm) 900 |
| OR-205KAN9FA-MM | SC, multimode, buffer size (µm) 900 |
| OR-205KAN9FA-SM | SC, single-mode, buffer size (µm) 900 |
| OR-205KAN9EA-MM | ST, multimode, buffer size (µm) 900 |
| OR-205KAN9EA-SM | ST, single-mode, buffer size (µm) 900 |

# FIELD-INSTALLABLE CONNECTORS
## OptiMo® Field-Installable Anaerobic Connectors

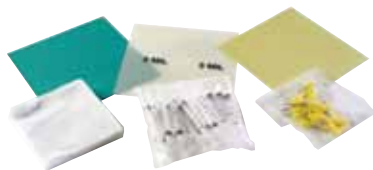## Anaerobic Field Installable Connector Termination Kit

OR-85400010

| PART NO. | DESCRIPTION |
|---|---|
| OR-85400010 | Contains all tools necessary for complete OptiMo LC, ST and SC anaerobic terminations: contractor bag, micro strip tool, scribe tool, jacket strip tool, scissors, cut length templates, polishing pad, polishing pucks, microscope |

NOTE: Consumables: polishing paper, adhesive and primer are sold separately.

## Anaerobic Field Installable Connector Multimode Polishing Kit

OR-85400012

| PART NO. | DESCRIPTION |
|---|---|
| OR-85400012 | Consumables necessary for complete OptiMo LC, ST and SC terminations: dry wipes, dispensing tips, syringe, type G polishing paper, type F polishing paper (terminates approx. 100 connectors) |

## Anaerobic Field Installable Connector Single-Mode Polishing Kit

OR-85400011

| PART NO. | DESCRIPTION |
|---|---|
| OR-85400011 | Consumables necessary for complete OptiMo LC, ST and SC terminations: dry wipes, dispensing tips, syringe, type G polishing paper, type F polishing paper, type M polishing paper (terminates approx. 100 connectors) |

## Individual Tools and Accessory Items (Anaerobic)

OR-70600021   OR-70600022   OR-60300200

OR-60300179   OR-60300182   OR-60300183

OR-60300184   OR-60300185   OR-60300186

| PART NO. | DESCRIPTION |
|---|---|
| OR-70600021 | Adhesive |
| OR-70600022 | Primer |
| OR-60300200 | LC stainless polishing puck also suitable for Keyed LC connector |
| OR-60300179 | Package of 250 dry wipes |
| OR-60300182 | Dispensing tips, package of 125 |
| OR-60300183 | Syringe, package of 10 |
| OR-60300184 | Type M polishing paper, package of 10 sheets, SM only |
| OR-60300185 | Type F polishing paper, package of 10 sheets |
| OR-60300186 | Type G polishing paper, package of 20 sheets |

# WORKSTATION SYSTEMS
## Fib-or-Cop II

Fib-or-Cop II provides greater multimedia capacity, addressing the increasing need for fiber in horizontal cabling systems. This larger version of the Fib-or-Cop has the ability to mount six TracJack® modules in the face, with a choice of fiber (LC, SC, ST or MT-RJ) and/or copper (TracJack) exiting from the bottom. This design allows the cover to be removed without disrupting the connections in the face-plate. The wide variety of connectors located in the bottom positions can be further protected by an optional snap-on shroud.

In addition, the Ortronics line of workstation solutions offers many alternative designs to accommodate multimedia needs for in-wall and surface mount installations.
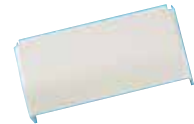
## Fib-or-Cop II

OR-62100041

| PART NO. | DESCRIPTION |
|---|---|
| OR-62100041 | Base and cover for six TracJack modules, 5″ x 8″ x 1.19″ |

## Fib-or-Cop II Protective Bottom Shroud

OR-62100038

| PART NO. | DESCRIPTION |
|---|---|
| OR-62100038 | Package of five protective bottom shrouds |

## Fib-or-Cop II Bottom Adapter Plates

OR-62100044    OR-62100046    OR-62100048

OR-62100050    OR-62100052

| PART NO. | DESCRIPTION |
|---|---|
| OR-62100044 | 3-ST duplex (6 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-62100045 | 3-ST duplex (6 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-62100046 | 6-SC simplex (6 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-62100047 | 6-SC simplex (6 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-62100048 | 3-SC duplex (6 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-62100049 | 3-SC duplex (6 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-62100050 | 6-LC duplex (12 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves |
| OR-62100051 | 6-LC duplex (12 fibers) single-mode, blue adapters, ceramic alignment sleeves |
| OR-62100052 | 6-MT-RJ (12 fibers) feed-through multimode, beige adapters |
| OR-62100053 | 6-MT-RJ (12 fibers) single-mode, blue adapters |
| OR-62100054 | 4-LC quad, 50 LOMF, aqua adapters |

# WORKSTATION SYSTEMS
## TracJack® Modules & Faceplates

## TracJack Faceplates

OR-40300549     OR-40300548     OR-40300547

OR-40300546     OR-40300545     OR-40300554

OR-40300555

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-40300549 | Single gang plastic, holds one TracJack, 2.75″ x 4.5″, fog white |
| OR-40300548 | Single gang plastic, holds two TracJacks, 2.75″ x 4.5″, fog white |
| OR-40300547 | Single gang plastic, holds three TracJacks, 2.75″ x 4.5″, fog white |
| OR-40300546 | Single gang plastic, holds four TracJacks, 2.75″ x 4.5″, fog white |
| OR-40300545 | Single gang plastic, holds six TracJacks, 2.75″ x 4.5″, fog white |
| OR-40300554 | Dual gang plastic, holds eight TracJacks, 4.5″ x 4.5″, fog white |
| OR-40300555 | Dual gang plastic, holds six TracJacks, 4.5″ x 4.5″, fog white |

NOTE: Not compatible with the following faceplates: OR-40300554, OR-40300620

NOTE: Standard color for plastic TracJack faceplates is fog white. For electrical ivory add -13, for white add -88 and for Wiremold® ivory add -99 to end of part number. For other colors, contact sales.

## TracJack Surface Mount Boxes

OR-404TJ4     OR-404TJ6

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-404TJ2X2 | Holds four TracJacks, jacks exit from both sides, 4.0″ x 2.42″ x 1.16″ |
| OR-404TJ6 | Holds six TracJacks, 6.98″ x 4.33″ x 1.16″ Includes internal storage ring for fiber and two TracJack blanks. Can mount directly to single or double gang recessed wall boxes. |

## Surface Mount Outlet Boxes for TracJack

OR-40300185     OR-40300186

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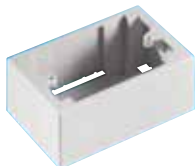
| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-40300185* | Single-gang, 3″ x 4.7″ x 2″ |
| OR-40300186 | Double-gang, 4.9″ x 4.7″ x 2″ |

NOTE: Compatible with Wiremold® 2700, 2800 and 2900 Raceway Series.

### Optional Accessories

| PART NO. | DESCRIPTION |
|----------|-------------|
| OR-70900020 | Adhesive-back magnet for single-gang |
| OR-70900022 | Adhesive-back magnet for double-gang |
| OR-70900070 | Double-sided adhesive (order two for a double-gang) |

NOTE: Compatible with Wiremold® 2700, 2800 and 2900 Raceway Series.

# WORKSTATION SYSTEMS
## TracJack® Modules & Faceplates

### TracJack Modules

TracJack is a versatile single-module solution—the perfect combination of high quality, enhanced performance, labor savings, ease of use, and flexibility in design. TracJack front removable snap-in modules make moves, adds, and changes easy. TracJack products are compatible with Fib-or-Cop II and the complete line of TracJack faceplates and surface mount boxes. TracJack modules are available in LC, SC, ST, FC, and MT-RJ styles in order to suit any installation requirement.

| Features | Benefits |
|---|---|
| ■ Snap-in module | ■ Simple, secure installation |
| ■ Modular design | ■ Flexibility in structured cabling system design |
| ■ Front removable | ■ Facilitates quick moves, adds, and changes |
| ■ No special tools required | ■ Reduced installation expense |
| ■ Fully compatible with all TracJack faceplates | ■ Provides wide range of design possibilities |

### TracJack Modules

OR-63700039*  OR-63700050  OR-63700075*

OR-63700017*  OR-63700066*  OR-63700051

OR-63700078*  OR-63700011  OR-63700013

OR-63700026  OR-63700048  OR-63700080

OR-63700081  OR-63700082

| PART NO. | DESCRIPTION |
|---|---|
| OR-63700039* | 1-LC (2 fibers) multimode, beige adapter, phosphor-bronze alignment sleeves, 180° exit, flush, 1 unit |
| OR-63700050 | 1-LC (2 fibers) multimode, beige adapter, phosphor-bronze alignment sleeves, 45° angled exit, 2 units |
| OR-63700075* | 1-LC (2 fibers) multimode, aqua adapter, ceramic alignment sleeves, 180º exit, flush, 1 unit |
| OR-63700017* | 1-SC simplex multimode, beige adapter, phosphor-bronze alignment sleeves, 180° exit, flush, 1 unit |
| OR-63700066* | 2-SC simplex multimode, beige adapters, phosphor-bronze alignment sleeves, 180° exit, 1 unit |
| OR-63700051 | 1-SC simplex multimode, beige adapter, phosphor-bronze alignment sleeves, 45° angled exit, flush, 2 units |
| OR-63700078* | 1-SC simplex multimode, aqua adapter, ceramic alignment sleeve, 180º exit, flush, 1 unit |
| OR-63700011 | 1-ST simplex multimode, metal adapter, phosphor-bronze alignment sleeves, 180° exit, 1 unit |
| OR-63700013 | 2-ST multimode, metal adapter, phosphor-bronze alignment sleeves, 180° exit, 1 unit |
| OR-63700026 | 1-MT-RJ (2 fibers) feed-through, multimode, beige adapter, 180° exit, flush, 1 unit |
| OR-63700048 | 1-MT-RJ (2 fibers) feed-through, multimode, beige adapter, 45° angled exit, 2 units |
| OR-63700080 | 1-LC (2 fibers) multimode, aqua adapter, ceramic alignment sleeves, 45° angled exit, 2 units |
| OR-63700081 | 2-SC simplex multimode, aqua adapters, ceramic alignment sleeves, 180° exit, 1 unit |
| OR-63700082 | 1-SC simplex multimode, aqua adapter, ceramic alignment sleeves, 45° angled exit, 2 units |

NOTE: Consult sales at 800-934-5432 for single-mode part numbers.

| | -00 | -25 | -42 | -43 | -44 | -45 | -68 | -78 | -88 | -99 |
|---|---|---|---|---|---|---|---|---|---|---|
| fog white | WM | | | | | | WM | WM | WM | ivory WM |

*Also available in black, red, orange, yellow, green, light green, WM light gray, WM gray, white and WM ivory. housing colors: -00, -25, -42, -43, -44, -45, -68, -78, -88, -99

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